

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A transfer display film comprised of ~~a plurality of~~ stacked layers that are prepared on, cured ~~or dried~~ and lifted from a release surface and then transferred to a substrate, wherein said ~~plurality of~~ stacked layers comprise at least one liquid crystal dispersion layer comprising liquid crystal material dispersed in polymer, and at least one a first electrically conductive layer located near one side of said ~~liquid-crystal dispersion~~ layer, an electrical insulation layer located between and in contact with said first conductive layer and said dispersion layer, a second electrically conductive layer located near the other side of said dispersion layer, and an electrical insulation layer located between and in contact with said dispersion layer and said second conductive layer.

Claim 2 (Currently Amended): A transfer display film according to claim 1 comprising a casting layer applied on or near the release surface on which other said layers of the display are prepared, ~~said casting layer being selected from the group consisting of a preparation layer, the at least one said electrically conductive layer, an adhesive layer, a planarization layer, the at least one said liquid-crystal layer, an isolation layer and combinations thereof.~~

Claim 3 (Currently Amended): A transfer display film according to claim 1 wherein said plurality of stacked layers are stacked in a sequence comprising a casting layer, ~~a said~~ first said electrically ~~conducting~~ conductive layer, said ~~liquid-crystal dispersion~~ layer, and a ~~said~~ second said electrically ~~conducting~~ conductive layer.

Claim 4 (Original): A transfer display film according to claim 3 wherein at least one of said first and second electrically conducting layers comprises a transparent electrical conductor formed of a conducting polymer or carbon nanotube material.

Claims 5-8, 11, 12, 14, 17, 20, 30, 31, 34, 35, 37-42, 44, 45, 49 and 50 (Cancel).

Claim 9 (Currently Amended): A transfer display film according to claim 3 wherein said dispersion ~~is~~ layer comprises at least one of an emulsion, phase separation and microencapsulated liquid crystal material.

Claim 10 (Currently Amended): A transfer display film according to claim 1 wherein said liquid crystal comprises bistable cholesteric liquid crystal ~~exhibiting planar and focal-conic textures that are stable in an absence of an electric field.~~

Claim 13 (Currently Amended): A transfer display film according to claim 3 comprising a light absorbing layer located between said casting layer and said ~~liquid-crystal~~ dispersion layer.

Claim 15 (Currently Amended): A transfer display film according to claim 3 comprising a clear protective layer located over the second electrically conducting layer ~~to ruggedize that provides strength to~~ said transfer display film.

Claim 16 (Currently Amended): A liquid crystal display comprising the transfer display film according to claim 15 ~~wherein said protective layer is optically clear,~~ further comprising said

substrate attached to ~~the~~ said transfer display film near said casting layer.

Claim 18 (Currently Amended): A transfer display film according to claim 1 comprising an outer adhesive layer ~~adapted to have adhesive properties while enabling said display film to be lifted off the release surface.~~

Claim 19 (Currently Amended): A transfer display film according to claim 1 wherein the at least one said ~~liquid crystal~~ dispersion layer comprises at least one bistable cholesteric liquid crystal ~~dispersion layer~~ reflective of visible or infrared electromagnetic radiation.

Claim 21 (Currently Amended): A transfer display film according to claim 19 comprising wherein the at least one said a transparent electrically electrical conductive layer ~~comprises a transparent electrical conductor~~ located between adjacent said dispersion layers.

Claim 22 (Currently Amended): A transfer display film according to claim 1 wherein ~~one~~ said dispersion layer comprises left and right hand twist cholesteric materials, separated to prevent mixing.

Claim 23 (Currently Amended): A transfer display film according to claim 22 wherein said ~~one~~ dispersion layer comprises one sublayer including said left hand twist cholesteric material and another sublayer comprising said right hand twist cholesteric material.

Claim 24 (Currently Amended): A transfer display film according to claim 19 wherein the at least one said dispersion layer comprises one said dispersion layer reflective of red light, another said dispersion layer reflective of blue light and another said dispersion layer reflective

of green light and electrically conductive layers are disposed between said dispersion layers.

Claim 25 (Currently Amended): A transfer display film according to claim 1 wherein ~~the at least one said~~ dispersion liquid crystal layer is patterned with red, green and blue pixels ~~comprises three generally coplanar and separated regions, a first said region comprising a plurality of droplets which contain cholesteric liquid crystal having a pitch length effective to reflect red light, a second said region comprising a plurality of droplets which contain cholesteric liquid crystal having a pitch length effective to reflect green light, and a third said region comprising a plurality of droplets which contain cholesteric liquid crystal having a pitch length effective to reflect blue light.~~

Claim 26 (Currently Amended): A liquid crystal display device comprising the transfer display film and said substrate of claim 1 and ~~drive electronics that can~~ driving circuitry connected to said electrically conductive layers ~~electrically address said liquid crystal layer by applying an electric field between said electrically conductive layers effective to produce images from the display film.~~

Claim 27 (Original): A liquid crystal display device according to claim 26 wherein said substrate is a solar panel effective to provide a self-powering display.

Claim 28 (Currently Amended): A liquid crystal display device according to claim 26 wherein said substrate comprises a photoconductive sheet photovoltaic and ~~a conducting layer said first electrically conductive layer~~ adapted to enable said liquid crystal layer to be driven optically addressed by by impinging light onto said display film while applying voltage to

~~an electric field to said liquid crystal layer~~ second electrically conductive layer ~~the at least one said electrically conductive layer of said display film~~ and said conducting first electrically conductive layer.

Claim 29 (Currently Amended): A liquid crystal display device according to claim 26 wherein said substrate comprises an active matrix device ~~effective to apply voltage pulses to independently drive pixels of said liquid crystal layer between the at least one said conductive layer of said display film and said active matrix device.~~

Claim 32 (Currently Amended): A liquid crystal display device comprising the transfer display film and the substrate of claim 1, wherein said substrate comprises ~~at least one of said electrically conductive~~ layers ~~layer,~~ further comprising driving circuitry connected to said electrically conductive layers ~~drive electronics for electrically addressing said liquid crystal layer between said at least one electrically conductive layer of the transfer display film and said at least one electrically conductive layer of said substrate effective to produce images from said liquid crystal layer.~~

Claim 33 (Currently Amended): A liquid crystal display device according to claim ~~32~~ 26, wherein ~~the at least one of said~~ first electrically conductive layer ~~of said transfer display film and the at least one said~~ second electrically conductive layer ~~of said substrate~~ contains parallel lines strips of row conductors and the other of ~~the at least one said~~ first electrically conductive layer ~~of said transfer display film and the at least one said~~ second electrically conductive layer ~~of said substrate~~ contains parallel lines strips of column conductors, ~~said lines of row conductors being arranged orthogonal to said lines of column conductors.~~

Claim 36 (Currently Amended): A transfer display film according to claim ~~35~~ 26 wherein ~~said means for adhering the plurality of stacked layers to a substrate comprises comprising a~~ an outer layer of adhesive.

Claim 43 (Currently Amended): A lift-off display film comprising ~~a plurality of~~ stacked layers that are prepared on, cured or dried and then lifted from a release surface, wherein said ~~plurality of~~ stacked layers comprise at least one liquid crystal dispersion layer comprising liquid crystal material dispersed in polymer, and at least one a first electrically conductive layer located near ~~the at least one~~ one side of said ~~liquid crystal dispersion~~ layer, an electrical insulation layer disposed between and in contact with said first conductive layer and said dispersion layer, a second electrically conductive layer located near the other side of said dispersion layer and an electrical insulation layer disposed between and in contact with said dispersion layer and said second conductive layer.

Claim 46 (Currently Amended): A lift-off display film according to claim ~~43~~ 45 wherein said dispersion ~~is~~ layer comprises at least one of an emulsion, phase separation and microencapsulated liquid crystal material.

Claim 47 (Currently Amended): A lift-off display film according to claim ~~45~~ 43 wherein said liquid crystal comprises bistable cholesteric liquid crystal ~~exhibiting planar and focal conic textures that are stable in an absence of an electric field.~~

Claim 48 (Currently Amended): A lift-off display film according to claim ~~[[44]]~~ 43 comprising a clear protective layer located over at least one of said first electrically conductive layer and said second electrically conductive layer that ~~provides strength to~~ ruggedizes said

lift-off display film.

Claim 51 (Currently Amended): A lift-off display film according to claim ~~47~~ 43 comprising a stack of said dispersion layers each reflective of visible or infrared electromagnetic radiation.

Claim 52 (Currently Amended): A lift-off display film according to claim 51 further comprising a transparent ~~one of said~~ electrically conductive layer ~~layers~~ located between adjacent said dispersion layers.

Claim 53 (Original): A lift-off display film according to claim 52 wherein said stack of layers comprises one said dispersion layer reflective of red light, another said dispersion layer reflective of blue light and another said dispersion layer reflective of green light.

Claim 54 (Currently Amended): A lift-off display film according to claim 47 wherein one of said first electrically conductive layer and said second electrically conductive layer comprises ~~a plurality of parallel row conducting electrodes electrode strips arranged in substantially parallel lines on the first side of said one liquid crystal layer,~~ and the other of said first electrically conductive layer and said second electrically conductive layer comprises ~~a plurality of parallel column conducting electrode strips electrodes arranged in substantially parallel lines on the second side of said one liquid crystal layer, said lines of row conducting electrodes and said lines of column conducting electrodes being oriented substantially perpendicular to each other.~~

Claim 55 (Currently Amended): A lift-off display film according to claim ~~54~~ 43 comprising at least one additional liquid crystal dispersion layer.

Claim 56 (Currently Amended): A lift-off display film according to claim 55 comprising conducting electrodes an electrically conductive layer disposed between on opposite sides of the additional liquid crystal dispersion layers layer, whereby said additional liquid crystal layer is independently electrically addressable.

Claim 57 (New): A transfer display film according to claim 3 comprising a protective layer coated over said second electrically conductive layer as an upper conducting electrode, wherein said protective layer is optically opaque and said layers are transferred to a transparent said substrate with said casting layer nearest to said substrate to operate as a reflective display.

Claim 58 (New): A transfer display film according to claim 1 comprising a protective layer coated over said second electrically conductive layer as an upper conducting electrode, said preparation layer being an adhesive layer or serving to hold an adhesive overcoat, wherein said display film is transferred to said substrate with said preparation layer adjacent said substrate to operate as a reflective display.

Claim 59 (New): A transfer display film according to claim 3 comprising a protective layer coated over said second electrically conductive layer as an upper conducting electrode, wherein said protective layer is optically clear and said film is transferred to said substrate with said casting layer nearest said substrate to operate as a reflective display, wherein said casting layer is coated, printed or laminated over an adhesive layer that lifts off said release surface with said casting layer.